Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1.   (currently amended)   A static but movable device, comprising:

   a short-range wireless receiver;

   a location-data processing arrangement for deriving ~~an~~ successive estimates of the current location of the device ~~on the basis of~~ using location data received on an on-going basis by the short-range receiver;

   a move detection arrangement for detecting indications that the device at least may have been moved, and

   a location-validity supervisor for determining, following detection of one or more indications by the move detection arrangement, whether the current location estimate is to be treated as still valid, the location-data processing arrangement being arranged, in response to the location-validity supervisor determining that the current location estimate is invalid, to discard that location estimate as current and thereafter use subsequently-received location data to derive a new current location estimate.

2.   (original)   A device according to claim 1, wherein the move detection arrangement comprises an arrangement for detecting a said indication in the form of an indication that the device has been powered down and then powered back up.

3.   (original)   A device according to claim 1, wherein the move detection arrangement comprises an motion detector for detecting a said indication in the form of an indication of physical motion of the device.

4.   (cancelled)

5.   (original)   A device according to claim 1, wherein the move detection arrangement comprises an arrangement for detecting a said indication in the form of a change in the set of nearby devices from which the subject device can receive transmissions via its short-range receiver.

6.   (original)   A device according to claim 1, wherein the move detection arrangement comprises an arrangement for detecting a said indication in the form of an inconsistency between newly received location data and one or both of the current location estimate and previously-received location data.

7.   (currently amended)A device according to claim 1, wherein the move detection arrangement comprises at least two of the following:

an arrangement for detecting a said indication in the form of an indication that the device has been powered down and then powered back up;

a motion detector for detecting a said indication in the form
of an indication of physical motion of the device;

~~an arrangement for detecting a said indication in the form of
a change in address of the part of the LAN to which the
device is connected via a network interface of the device;~~

an arrangement for detecting a said indication in the form of a
change in the set of nearby devices from which the subject
device can receive transmissions via its short-range
receiver;

an arrangement for detecting a said indication in the form of
an inconsistency between newly received location data and one
or both of the current location estimate and previously-
received location data.

8.   (original)   A device according to claim 1, wherein the
location-validity supervisor is operative to determine that the
current location estimate is invalid upon detection of one said
indication by the move detection arrangement.

9.   (original)   A device according to claim 1, wherein the
move detection arrangement is operative to detect at least two
different types of indications, the location-validity supervisor
being operative to determine that the current location estimate
is invalid upon detection of a predetermined combination of
indications of two or more types by the move detection
arrangement.

10.   (original)   A device according to claim 9, wherein the move detection arrangement comprises both a first detector arrangement for detecting a first said indication in the form of an indication that the device has been powered down and then powered back up, and a second detector arrangement for detecting a second said indication constituted by a change in the set of nearby devices from which the subject device can receive transmissions via its short-range receiver; the location-validity supervisor being responsive to the detection of a said first indication to query the second detector arrangement as to whether said second indication is present, the location-validity supervisor determining the current location estimate to be invalid when both said first and second indications are present.

11.   (original)   A device according to claim 9, wherein the move detection arrangement comprises both a first detector arrangement for detecting a first said indication in the form of an indication that the device has physically been subject to motion, and a second detector arrangement for detecting a second said indication constituted by a change in the set of nearby devices from which the subject device can receive transmissions via its short-range receiver; the location-validity supervisor being responsive to the detection of a said first indication to query the second detector arrangement as to whether said second indication is present, the location-validity supervisor determining the current location estimate to be invalid when both said first and second indications are present.

12. (original)   A device according to claim 1, wherein the location-validity supervisor is operative to determine that the current location estimate is invalid upon detection of multiple occurrences of one type of indication.

13. (original)   A device according to claim 12, wherein the move detection arrangement comprises a consistency-check arrangement for detecting a said indication in the form of an inconsistency between newly received location data and one or both of the current location estimate and previously-received location data, the location-validity supervisor being operative to determine that the current location estimate is invalid upon detection of multiple occurrences of a said indication by the consistency-check arrangement.

14. - 15. (cancelled)

16. (currently amended) A static but movable device comprising location means for receiving location data passed to it from nearby devices and for deriving a best estimate of its own location from the received location data, and watch means for watching for an indication that the device has been, or may have been moved, and upon detecting such an indication, for causing the location means to discard its previously-obtained location data and location estimate and to derive afresh a said best estimate of its own location .

17.   (original)   A device according to claim 16, wherein the
watch means comprises at least one of:

  - means for detecting power down / power up of the device;

  - means for detecting a significant discrepancy between the
    most recently received location data and previously received
    location data;

  - a displacement sensor.

18.   (new)   A static but movable device comprising:

  a short-range wireless receiver;

  a location-data processing arrangement for deriving an estimate
    of the current location of the device on the basis of
    location data received by the short-range receiver;

  a move detection arrangement for detecting indications that the
    device at least may have been moved, the move detection
    arrangement comprising a first detector arrangement for
    detecting a first said indication in the form of a change in
    the set of nearby devices from which the subject device can
    receive transmissions via its short-range receiver, and

  a location-validity supervisor for determining, following
    detection of one or more indications by the move detection
    arrangement, whether the current location estimate is to be
    treated as still valid.

19.   (new)   A device according to claim 18, wherein the move
detection arrangement further comprises a second detector
arrangement for detecting a second said indication in the form

of an indication that the device has been powered down and then powered back up; the location-validity supervisor being responsive to the detection of a said second indication to query the first detector arrangement as to whether said first indication is present, the location-validity supervisor determining the current location estimate to be invalid when both said first and second indications are present.

20. (new)   A device according to claim 18, wherein the move detection arrangement further comprises a second detector arrangement for detecting a second said indication in the form of an indication that the device has physically been subject to motion; the location-validity supervisor being responsive to the detection of a said second indication to query the first detector arrangement as to whether said first indication is present, the location-validity supervisor determining the current location estimate to be invalid when both said first and second indications are present.